



Microtest
微 测 检 测

Test Report

Report No.: MTi19091903-3E5-R1

Date of issue: Oct. 21, 2019

Sample description: Wheat straw wireless charging speaker

Model(s): P328.71X

Applicant:

Address:

Date of test: Sept. 24, 2019 – Oct. 11, 2019

Shenzhen Microtest Co., Ltd.
<http://www.mtitest.com>



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This test report is the revision of the test report MTi19091903-3E5, the original report is invalid.

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TEST RESULT CERTIFICATION	
Applicant's name:	China Etech Groups Ltd
Address:	16/F, Block C, 2nd Phase of Central Avenue, Haihong Industrial Area, Xixiang Road, Baoan District, Shenzhen, China
Manufacture's name:	China Etech Groups Ltd
Address:	16/F, Block C, 2nd Phase of Central Avenue, Haihong Industrial Area, Xixiang Road, Baoan District, Shenzhen, China
Product name:	Wheat straw wireless charging speaker
Trademark:	N/A
Model name:	P328.71X
Standards:	EN 62311: 2008

This device described above has been tested by Shenzhen Microtest Co., Ltd. and the test results show that the equipment under test (EUT) is in compliance with the RED requirements. And it is applicable only to the tested sample identified in the report.

Tested by:

Demi Mu

Oct. 11, 2019

Reviewed by:

Blue Zheng

Oct. 21, 2019

Approved by:

Smith Chen

Oct. 21, 2019

1. General description

1.1 Feature of equipment under test (EUT)

Product name:	Wheat straw wireless charging speaker
Model name:	P328.71X
Serial Model:	N/A
Deference in serial model:	N/A
Power source:	DC 5V from adapter AC 230V/50Hz or DC 3.7V from battery
Adapter information:	N/A

1.2 Testing site

Test laboratory:	Shenzhen Microtest Co., Ltd.
Laboratory location:	No.102A & 302A, East Block, Hengfang Industrial Park, Xingye Road, Xixiang, Bao'an District, Shenzhen, Guangdong, China
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2. EN 62311 requirement

2.1 General information

The essential requirements of Directive 99/5/ec in the article 3.1(a) and the limits must be taken from Council Recommendation 99/519/EC for General Population or from the ICNIRP Guidelines for Occupational Exposure, EN 62311:2008 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz).

2.2 Limits

Reference levels for electric, magnetic and electromagnetic fields (0Hz to 300GHz)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S_{eq} (W/m ²)
0-1Hz	-	3.2×10^4	4×10^4	-
1-8Hz	10000	$3.2 \times 10^4 / f^2$	$4 \times 10^4 / f^2$	-
8-25Hz	10000	$4000 / f$	$5000 / f$	-
0.025-0.8kHz	$250 / f$	$4 / f$	$5 / f$	-
0.8-3kHz	$250 / f$	5	6.25	-
3-150kHz	87	5	6.25	-
0.15-1MHz	87	$0.73 / f$	$0.92 / f$	-
1-10MHz	$87 / f^{1/2}$	$0.73 / f$	$0.92 / f$	-
10-400MHz	28	0.073	0.092	2
400-2000MHz	$1.375 f^{1/2}$	$0.037 f^{1/2}$	$0.0046 f^{1/2}$	$f / 200$
2-300GHz	61	0.16	0.2	10

Note:

(1) As indicated in the frequency range column.

(2) For frequencies between 100 kHz and 10GHz, S_{eq} , E2, H2 and B2 are to be averaged over any six-minute period.

(3) For frequencies exceeding 10GHz, S_{eq} , E2, H2 and B2 are to be averaged over any 68/1.05-minute period (.in GHz).

(4) No E-field value is provided for frequencies <1Hz, which are effectively static electric fields. For most people the annoying perception of surface electric charges will not occur at field strengths less than 20kV/m. Spark discharges causing stress or annoyance should be avoided.



2.3 Result

Frequency (KHz)	d(cm)	Max E-field strength (V/m)	Limit E-field strength (V/m)	Result
110-205	20	0.0352	87	Pass

----END OF REPORT----